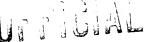
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PATENT

Docket No. 290,00330101

	•	GROUP 1600	200.01 (10. 2) 0.00220111				
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE							
Applicant(s):	Nancy W.Y. Ho et al.) Group Art Unit	: 1653				
Serial No.:	09/180,340) Examiner:	Hope A. Robinson				
Confirmation	•) Examiner.	Hope 71. Roomson				
Confirmation	1No.: 00/4	,					
Filed:	20 August 1999)					
1 1100.)					
For:	or: STABLE RECOMBINANT YEASTS FOR FERMENTING						
	XYLOSE TO ETHANOL	OL					
							
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Assistant Con	mmissioner for Patents	-	FAX NUMBER: <u>703-872-9306</u>				
	ner <u>Robinson</u>	Total Pages (including cover page): 21					
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X_ Smal	l Entity Status is entitled t	o be asserted in the above	-identified application.				
							
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months to enter these papers and please charge any additional fees or credit overpayment							
to Deposit A	ccount No. 13-4895.						
Mueting, Raasch & Gebhardt, P.A.							
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Name: JACQUELVN K. TOR

David L. Provence Reg. No. 43,022

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MUETING RAASCH GEBHARDT

PATENT 122/03

Docket No. 290.00330101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Nancy W.Y. Ho et al.)	Group Art Unit:	1653	
Serial No.: Confirmation	09/180,340 1 No.: 6674)	Examiner:	Hope A. Robinson	
Filed:	20 August 1999)			
For:	STABLE RECOMBINANT YEASTS FOR FERMENTING				

AMENDMENT AND RESPONSE

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

XYLOSE TO ETHANOL

Dear Sir:

In response to the Office Action mailed 27 March 2003, please amend the aboveidentified application as follows:

In the Claims

Please amend claims 1, 14, 18, 23, 25, 27 and 30. The amended claims are provided below in clean form. Per 37 C.F.R. §1.121, amended claims are also shown in Appendix A with notations to indicate changes made (for convenience, all pending claims, are provided in Appendix A).

A yeast which ferments xylose to ethanol, comprising:

genes integrated at each of multiple reiterated ribosomal DNA sites of the yeast, said

genes encoding xylose reductase, xylitol dehydrogenase, and xylulokinase.

14. A method of integrating multiple copies of exogenous DNA into reiterated chromosomal DNA of cells, comprising:

Received from < 6123051228 > at 6/27/03 3:01:30 PM [Eastern Daylight Time]